

# **Massachusetts Biomass Strategic Plan**

## **Outline, Version 2.24.08**

# **Chapter Outline**

**Chapter 1 –Introduction**

**(including goals and targets)**

**Chapter 2 – Benefits & Opportunities**

**Chapter 3 – Issues to be Addressed**

**Chapter 4 – Tools , policies, and programs**

**Chapter 5 – Recommended Plan of Action**

# Chapter 2 – Benefits & Opportunities

- Different types of biomass use (e.g. electric generation, thermal, combined heat and power, liquid fuels, etc.) and relative strengths / weaknesses including overall availability and technical potential
- Local economic development
- Opportunity to use as a part of supporting sustainable forest practices
- Renewable, base-load energy source
- Distributed generation and regional fuel mix benefits
- Greenhouse gas reductions
- Other?

# Different types of biomass use

- Electric generation,
- Thermal,
- Combined heat and power,
- Liquid fuels
- For each category
  - Status of technology
  - Scale (size range or typical facilities)
  - Efficiency
  - Comments
  - Non-market support mechanisms

# Chapter 3 – Issues to be Addressed

- Forest management practices
- Air emissions
- Measuring net CO<sub>2</sub> benefits of biomass energy
- Supply infrastructure / strength of overall forest industry
- Fuel transportation – truck, rail and ocean
- Other?

# Chapter 4 – Tools , policies, and programs

- Renewable Portfolio Standard
- Incentives / support / outreach for thermal projects
- Purchasing decisions
- Joining / leading regional or national efforts
- Role of carbon offsets and potential economic opportunities
- Development of public / private partnerships
- Investment needs / low interest loans
- Biomass Fuel Tax Credit
- Other?

# Chapter 5 – Recommended Plan of Action

- Short term
- Long term

# Chapter 1 –Introduction

Introduction: Briefly summarize purpose of initiative and overview of other chapters

Example Goal: Using the leadership of state government, create momentum, enthusiasm and an environment where biomass developers want to site facilities in Massachusetts, suppliers are positioned to provide sustainable fuel, and communities and citizens recognize and welcome the benefits associated with biomass energy development.

Example Target: The state of Massachusetts will have x MW of biomass power and y community-scale thermal biomass units in place by 20zz.